Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (original):   In a computer system, a method of identifying an unknown base in a sample nucleic acid sequence, said method comprising the steps of:

inputting a plurality of probe intensities, each of said probe intensities being associated with a nucleic acid probe;

said computer system comparing said plurality of probe intensities wherein each of said plurality of probe intensities is substantially proportional to said associated nucleic acid probe hybridizing with at least one nucleic acid sequence, said at least one nucleic acid sequence including said sample sequence; and

calling said unknown base according to results of said comparing step.

2-35.   CANCELED